

ABSTRACT

A novel electroconductive zinc oxide powder which comprises zinc oxide and, being present as a solid solution formed with the zinc oxide, 0.01 to 10 mass% relative to the zinc oxide of at least one element selected from the group consisting of IIIB Group elements, IVB Group elements and Fe, has an average primary particle diameter of 0.03 μ m or less as calculated from its specific surface area, a bulk density of 0.20g/ml or less and a volume resistivity of 10^{10} Ω ·cm or less; and a method useful for producing the electroconductive zinc oxide powder. The zinc oxide powder exhibits distinguished dispersibility when incorporated into a rubber, a resin or the like as an electroconductivity imparting agent, and thus can provide a material having a reduced electric resistance.